

GridPP Ops 11/05/21

Attending: Matt, BrianD, SamS, Jose, Gordon, Mikel, PatrickS, DavidC, Duncan, Emanuele, RobertF, RobC, Vip, WinnieL

Apologies: Daniela

Action from previous meetings.

20210323-01 - All, Sam. Update the self-signed, self-generated certificates on our perpsonars to something better (https://www.gridpp.ac.uk/wiki/Https_with_PerfSonar_4.3.4). Sam will keep an eye on the situation.

[Ongoing as we can't just go get LetsEncrypt certs due to requirements on getting identity certs from a suitable CA]

Discussed at the UK Security Meeting.

Optimal option are JISC certificates - but these could have a cost.

CA certificates would require extra effort on CA side due to dual-homed hosts, and aren't always "trusted" outside the grid infrastructure.

David asks if sites would have difficulty getting a JISC certificate? Sites should check on this.

David notes that if you already have an escience certificate there's no rush.

Chris B has "some" experience with JISC certificates, and some recipes. (Distributed on TB-SUPPORT)

Reminder to sites to check the "local" availability of JISC certs.

Set a review date for the 18th.

Some discussion of the Lancaster experience asking for a JISC cert.

Mike mentions that Oxford use an entrust cert, and asks if this was fine. It was!

Mike mentions that entrust had a nice, easy portal to use that they could use directly.

Wiki table to track progress:

https://www.gridpp.ac.uk/wiki/Perfsonar_Cert_Status

20210425-01 - All sites. Please complete these two Project Management requests (by either filling in the linked documents or directly emailing Sam if you do not wish the information to be public:

- (approx) timetables for any delayed hardware installs [for already procured hardware] due to COVID19, for all sites, please. [This isn't a punitive thing, it's an informational thing!]

https://gla-my.sharepoint.com/:x/g/personal/samuel_skipsey_glasgow_ac_uk/EYRXm6nftYBEvi3RU1S77nkBWW9Xt4N6ehPJE3OW9mre7g?e=YHwwi0

- Site internal escalation procedure documentation.

https://gla-my.sharepoint.com/:w/g/personal/samuel_skipsey_glasgow_ac_uk/EYXKFec8c1LvORVVv5kIxIBeTvzXeil96xR7mY4a7D8kg?e=5IHdKH

Will continuously review - but if you only have time to fill in one the COVID spreadsheet is quite urgent.

VO Updates

CMS (Daniela - at the DIRAC users workshop):

From the CMS T2 mailing list:

Another ARC-CE/HTCondor issue — if you are using HTCondor as a local batch system with ARC-CE, do not upgrade to HTCondor v8.9.9 or v9.0.0 until https://bugzilla.nordugrid.org/show_bug.cgi?id=4011 is fixed.

Stephan is still gathering some supplemental information for WLCG pledges. Sites still needed to provide information are [...] T2_UK_London_IC [...] -- If you are a senior member of GridPP and happen to bump into David Colling, would you mind gently reminding him ? At the moment we told CMS to use last year's numbers as a working assumption.

We're making progress on enabling WebDAV but not there yet. Sites still not yet able to do direct read/write are [...] T2_UK_SGrid_Bristol.

Otherwise all sites more or less green, slight wobble yesterday at RALPP.

https://monit-grafana.cern.ch/d/m7XtZsEZk4/wlwg-sitemon-historical-tests?orgId=20&var-vo=cm&var-dst_tier=2&var-dst_country=UK&var-dst_federation=All&var-dst_experiment_site=All&var-service_flavour=All&var-dst_hostname=All&var-metric=All&var-status=All

ATLAS (James):

- Oxford Xcache causing load issues at RAL; appears to be (partly) due to many small transfers (chunks requested because of setup / design of Xcache itself?).
 - Some questions raised on WAN speeds: [perfSonar](#) suggests ~ 1.8Gbps RAL->Ox and 3.4 Gbps Ox -> RAL (indicative of 'real' performance?).
 - Stage-out to echo via gridFTP .
 - Expect update of Xcache to latest version; may consider to remove Xcache from stage-in to assess impact.

- Monday am; short mass HC blacklisting; quickly resolved and reset.
- QMUL Work continuing following SE and Storm upgrade.
- LANCS: GGUS: 151924 curious memory alloc failures.

Duncan notices a lot of variability in the personar traces between RAL and Oxford, will look into it.

LHCb (Raja):

- Ongoing DIRAC user workshop
- Oxford Xcache causing load issues at RAL. Results in either access to files failing or for uploads to ECHO fail. What is the plan going forward?
- Known ongoing issues at RAL Tier-1
 - Streaming out of ECHO - ongoing
 - Xrootd checksums take long time - ongoing
 - FTS and macaroons - waiting for FTS developers on authentication for CTA
 - <https://its.cern.ch/jira/browse/FTSCFG-16>
 - https://ggus.eu/index.php?mode=ticket_info&ticket_id=150653
- CE issues at Manchester, QMUL

“Other” VOs:

DUNE (Raja) :

glideInWMS configuration for the different sites :

<http://gfactory-2.opensciencegrid.org/factory/monitor/factoryEntryStatusNow.html>

SAM tests :

https://etf-dune-preprod.cern.ch/etf/check_mk/

--- Now also testing for the stash cache

--- following up with the sites

--- [Monit link for history](#) : Shows historical timeline of tests now

--- CRIC information ready. Using it for ETF tests now.

DUNE site naming agreed: UK-Sitename format.

--- <https://dune-cric.cern.ch/core/experimentsite/list/>

Wenlong is the DUNE UK data manager

Need to close ETF ticket against QMUL and take a fresh look at the tests again.

--closed by Matt

SKA:

NTR

LIGO:

NTR

Other "New" VO status:

NTR

General Updates/Discussion

Cambridge site is officially retired (or will be after a 90 day grace period).

UCL site is currently in the decommissioning process:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=151765

We've been informed we need to remove the site from the CRIC (for ATLAS, LHCb and from UK-London-Tier2 federation).

-Raja will look at it for LHCb

- Within LHCb DIRAC, UCL is a Vac site and is currently being ignored. Both sites have been removed from the LHCb DIRAC.

As of this morning Matt just got permissions to edit UCL and Cambridge in CRIC.

Request from AF for a WLCG Data Challenge Section. First one likely to be September this year.

Meeting Updates

Lots of meetings!

First Technical Meeting on Tokens last Friday:

<https://indico.cern.ch/event/1036205/>

Hackathon at the start of June (3rd/4th) mentioned - could do with at least one attendee from the Tier 2: <https://indico.cern.ch/event/1032742/>

(will keep an eye on the progress of the hackathon)

WLCG Ops coordination meeting last week, with a talk from Alessandra on Data Challenge Monitoring:

<https://indico.cern.ch/event/1035151/>

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes210506>

The other big note from the meeting is that there will be an ARC upgrade push "soon", but only after the release that moves ARC to the new APEL publishing tools (6.12)

Duncan and AF will talk about network monitoring at sites to help lay groundwork here.

EGI Ops Coordination yesterday:

<https://indico.egi.eu/event/5536/>

Nothing too exciting to my eyes or ears.

DIRAC user workshop ongoing:

<https://indico.cern.ch/event/852597/>

GDB this week:

<https://indico.cern.ch/event/876789/>

LHCONE workshop summary, a talk on xcache, another talk from Alessandra on this year's Data Challenge, and about using IRIS IAM to access resources over SSH (which is more broadly applicable)- lots of highlights.

Tier 1 Status

Upgrading ARC-CEs

Some messages marked as SPAM centrally, (we are recovering but apologies if you have tried to contact and we have not replied.)

Tier-1 Network upgrade

Final (hopefully) connection work for new Tier1 CTA Router 12/05/21

Joining the LHCONE is part of the larger Tier-1 Network upgrade that we are doing. The upgrade plan was presented at the technical meeting on January 29th[1] and it remains on schedule. The next update is scheduled at the LHCOPN-LHCONE meeting on the 23rd March[2]. Access to the machine room is expected to be allowed this week. The cabling for the Tier-1 network is expected to be completed between the 16th and 19th March. The CTA network is currently being configured.

[1]<https://indico.cern.ch/event/996031/contributions/4185620/attachments/2180652/3683446/Tier1Network20210129.pdf>

[2] <https://indico.cern.ch/event/983436/>

Security Brief

- Operational update [standing item]
- Certificates for personar

Networking News

UK Mesh:

<https://psmad.opensciencegrid.org/maddash-webui/index.cgi?dashboard=UK%20Mesh%20Config>

Check_MK monitoring:

https://psetf.opensciencegrid.org/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fhostgroup%3DUK%26opthost_group%3DUK%26view_name%3Dhostgroup

https://www.gridpp.ac.uk/wiki/Perfsonar_refresh

Dune Mesh:

<https://psmad.opensciencegrid.org/maddash-webui/index.cgi?dashboard=DUNE%20Mesh%20Config>

One PS at RAL seems to be completely failed. Brian thinks it might be a cert problem, but will double check.

Duncan having troubles authenticating to remove UCL and Cambridge.

Lancaster's interesting Network problems last week were quickly solved. Will discuss in the Security Meeting.

Storage and Data Management News

Historical: <http://storage.esc.rl.ac.uk/weekly/>

More recent minutes: [GridPP Storage](#)

Last week's meeting was a Ceph special edition, which hopefully will see followup with experience on (Octopus/Cephfs) from Lancs, Brunel.

Xrootd 5.2.0rc1 is out [and has test deployments at RAL, Oxford, Glasgow]

- Vector Read support in xrd-ceph also making progress @ RAL.

Technical Update

(to include any Token News, and maybe Data Challenge work?)

Duty Report

Matt is on duty this week. Quite quiet, but RHUL had a lot of alarms show up last night.

Tickets

[GGUS tickets ordered by date.](#)

43 Open Tickets this week.

This QM atlas transfer ticket got reopened:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=151556

Site News

We will have a “putting our heads together on zoom to help Sussex” session on Thursday (settled on 1pm-2pm). We will likely use this zoom room out of convenience.

AOB/Feedback for the PMB

(A new) Network Forward Look document is being produced - if you have any news (or lack thereof) on this front you will be prodded. Last NFL was 2017. Matt and Sam are producing the Tier 2 section. Will review this on the w/c 24th.

A polite reminder: Sam would still like to get both "COVID Delayed activities" and "Site internal escalation procedures" feedback on the two shared documents.

Actions/Decisions from This Meeting

Action on Sam and Matt to start collecting NFL data from sites.

Chat Window:

11:33:11 From Nandakumar, Raja (STFC,RAL,PPD) To Everyone : Thanks Matt!

11:41:22 From Crooks, David (STFC,RAL,SC) To Everyone :

<https://indico.cern.ch/event/1032742/>

11:58:08 From Daniel Traynor To Everyone : time to go to the next meeting

12:02:31 From Nandakumar, Raja (STFC,RAL,PPD) To Everyone : Apologies - got to go now ...

12:05:07 From Winnie Lacesso To Everyone : Sorry, gotta go

12:13:57 From Vip To Everyone : I have to go - we have power problems at Begbroke after lighting

12:14:46 From Peter Clarke To Everyone : hasve to go

12:15:06 From Patrick Smith To Everyone : Have to go too